

AMENDMENTS TO THE ABSTRACT

Replace the Abstract with:

ABSTRACT

A wavelength filter includes a solid material that ~~transmits a light; a~~ is optically transparent and including a pair of ~~flat planes formed on the sold material~~ planar surfaces substantially ~~in parallel with to~~ each other; and a supporting member that supports the solid material on a ~~plane~~ planar surface of the solid material other than the pair of flat planes with an adhesive agent planar surfaces, the supporting member having a rigidity ~~stronger higher~~ than that of the solid material. The ~~light is resonated between the pair of flat planes, the wavelength filter selects a wavelength that is determined by an optical length between the pair of flat planes, and the solid material is a birefringent material of which an optical axis makes a predetermined angle with respect to a normal to the pair of flat planes. With this mechanism, even in a state in which the solid material is supported by the supporting member, a stable wavelength discriminating characteristic can be obtained planar surfaces, and the wavelength filter selects light having a wavelength that is determined by an optical length between the pair of planar surfaces by resonating the light between the pair of planar surfaces.~~